

Ge-Dix

Genova Data Internet eXchange

The **new born Internet Exchange** that operate in **Genoa** and managed by a **non-profit Consortium**

WHY GE-DIX

- **Edge IX**
- New **Submarine Cables** landing
- **Enabler of digital projects** in the area

TECH@GE-DIX

2 PoPs: Liguria Digitale Data Center - WTC
TISparkle Genova Digital Hub

Connected Networks: www.peeringdb.com/ix/4172

Operated by **TOP-IX**



MINAP: a short summary and news

<https://www.minap.it/>

Established in 2008,
now is the 3rd IXP in Italy by traffic.
(peak: 368 Gbps)

9 switches in Milano
in the Via Caldera campus.

Connecting is free for everybody.

NOC: Marco d'Itri and Loris Marcovati.

In the last year we connected many
100GE ports (both new members and
upgrades) and now we need more.

We are working on procuring hardware for
a network upgrade: please get in touch if
you think you can help.



update @ ITNOG8

IXP	PoP	Remote peering
MIX-IT	+ altri DC	
MIX Palermo		<ul style="list-style-type: none">● Riservato ad ASN che non siano già connessi a MIX-IT● capacità max 1 porta 10G
MIX Bologna		
MIX Roma		
MIX Caserta		

Migrazione EVPN/VXLAN

- Migrazione porte 100G completa
- Migrazione porte 10G ongoing



- Gold sponsor da febbraio '24

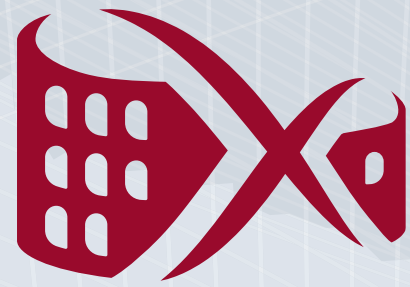
Datacenter in Caldera

- 1800+ apparati installati
- 250+ clienti
- 3200+ patch attive
- **Inizio DC3 Aprile '24**
- 600 mq - 500 kW aggiuntivi
- Piano superiore a DC1 e DC2

Salotto 2024

- 10-11 Dicembre @ Allianz Mi.Co.
- Sponsorship disponibili

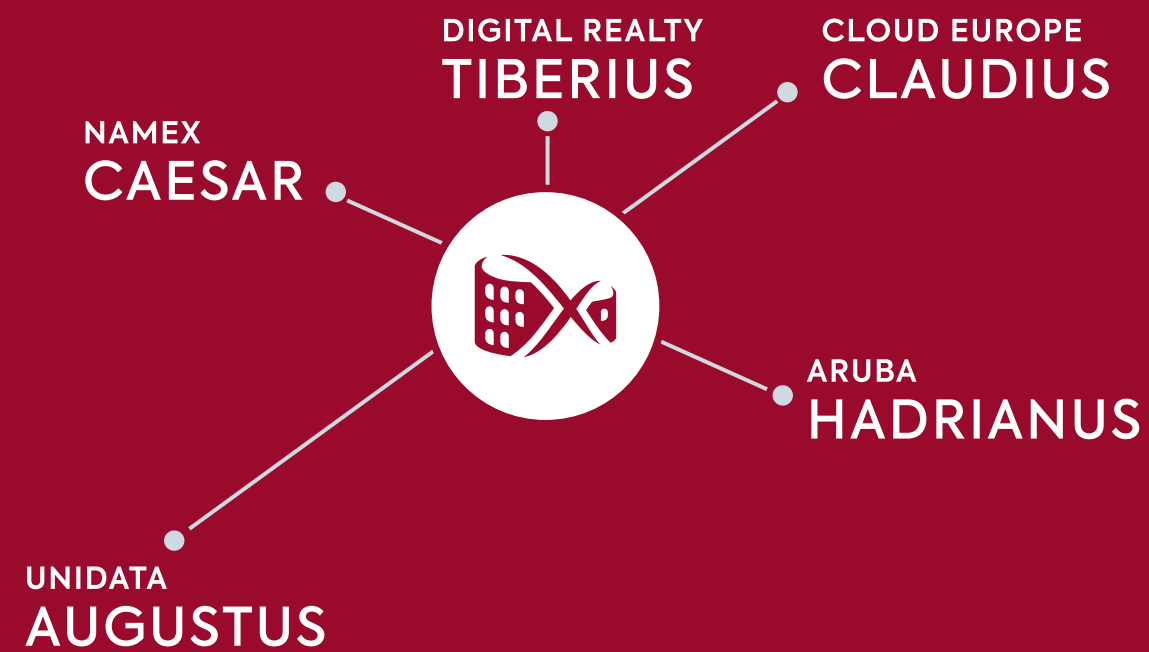




NAMEX
ROMA INTERNET EXCHANGE POINT

Your Mediterranean Internet Exchange Point.

Rome Datacenters



737
Gbps

Current Peak | +240 Gbps

242

Networks | +31

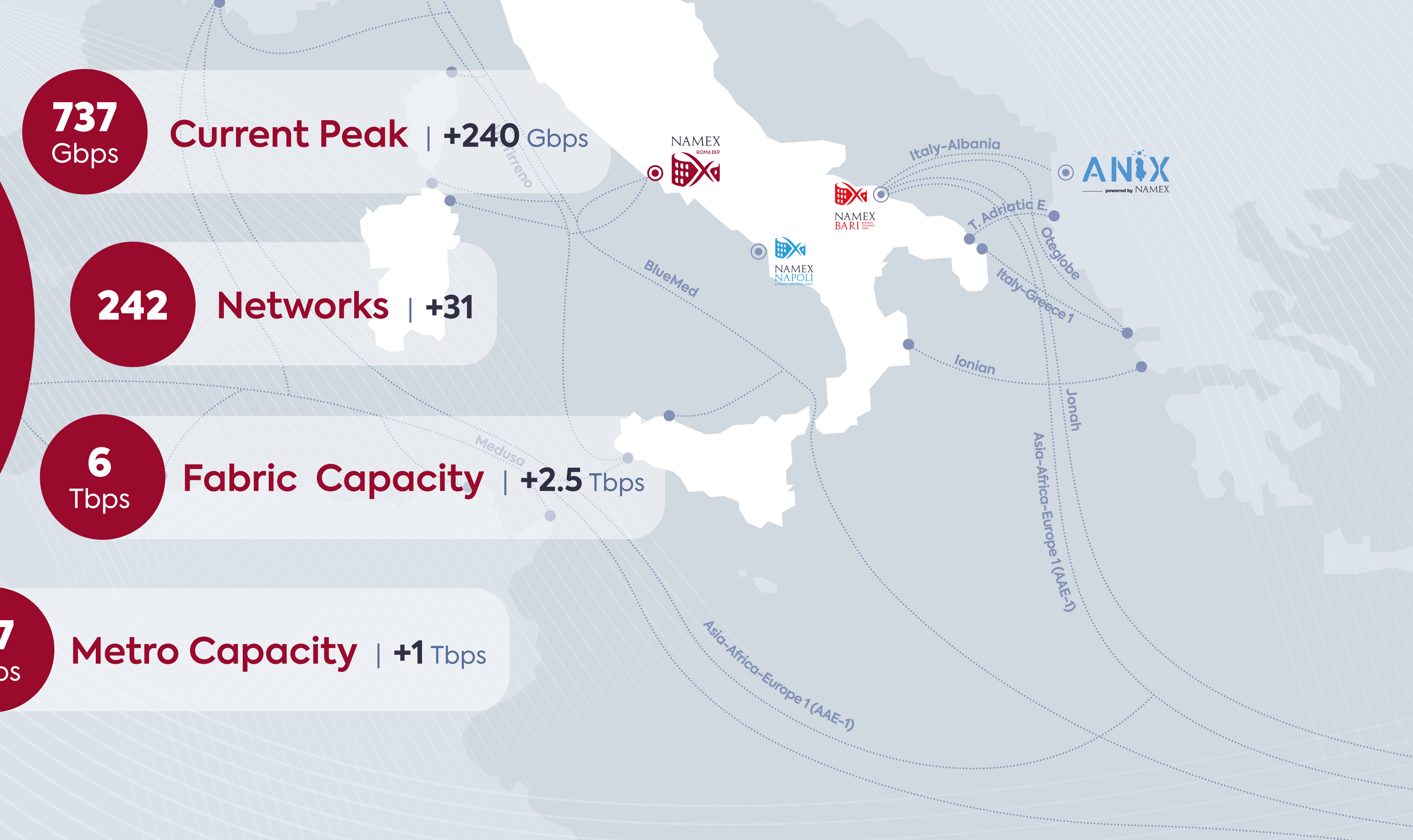
6
Tbps

Fabric Capacity | +2.5 Tbps

1.7
Tbps

Metro Capacity | +1 Tbps

Think global,
connect local.



SAVE THE DATE
ITNOG On The Road
Piacenza
9 Ottobre 2024



PCIX

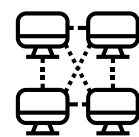
PIACENZA **METRO** INTERNET EXCHANGE



10GB Free Membership



Layer 2 PCIX-VSIX



Remote Peering



Hosting a K-root Node



POP List

- Naquadria, Piacenza
- PC_01 - Piacenza
- Aruba, Ponte San Pietro
- Milano Caldera Campus
- VSIX, Padova
- Trieste (coming soon)

more POPs coming soon ...



managed by
NAQUADRIA



TOP-IX Update - ITNOG8

	2023	2022
Networks	126	124
Traffic (Gbps)	221	200
Prefixes (on RS)	116k IPv4 25k IPv6	110k IPv4 23k IPv6

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Tech Specs

EVPN/MPLS Fabric

Nokia Technology

MANRS Compliant

Implementing Automation



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Peering

Marketplace

P2P connectivity

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With other IXPs (VSIX, France-IX AURA, France-IX Paris)

Resellers (ITGate, BICS, Retelit, Sparkle, FiberTelecom, Lepida)

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Time as a Service

Direct (Private) NTP

Direct PTP

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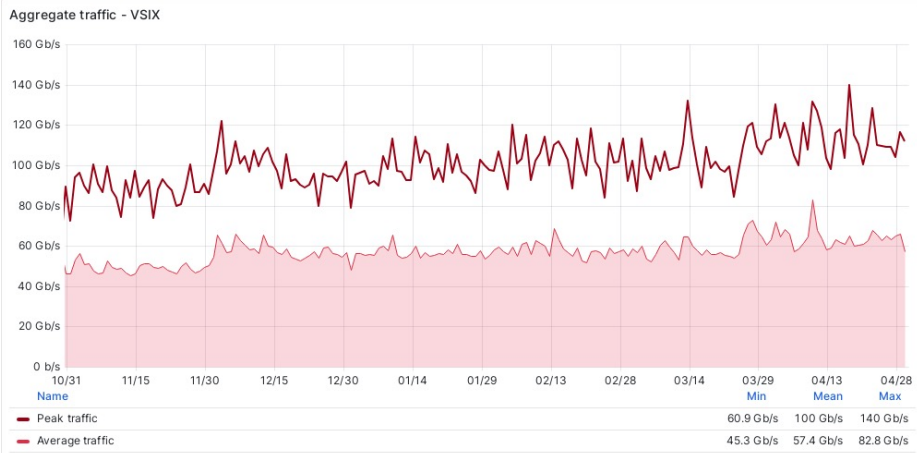
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IXP/Fabric Federation

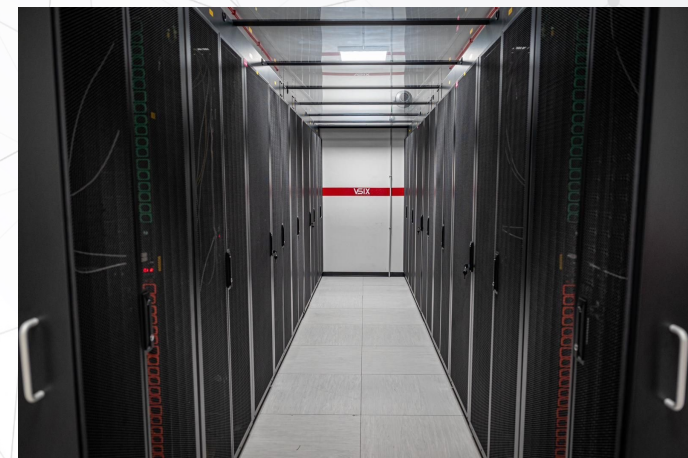
Distributed/Flexible/Trustable Interconnection Services

Come and meet at our stand for a survey (with prize)



Peers 63 (+10%)
 with IPv6 48 % (+14%)
 IPv4 prefix 98k (+8,8%)
 IPv6 prefix 42k (+40%)
 Peak 140 Gbps (+33%)

Carrier 15 (+7%)
 CDN 4 (+50%)



Progetti principali e obiettivi:

- completamento **nuovo data center** (seconda isola)
- potenziamento ecosistema dei data center di Padova
- implementazione sistema di gestione ambientale ISO 14001
- investimenti in nuovo hw e sistemi di di monitoraggio (PMACCT e Telemetry)
- **VSIX meeting 2024 (15 anni di attività) a Novembre**
- progetti di ricerca supportati da VSIX:
 - VenQCI: regional quantumkey distribution network for cybersecurity applications (Veneto Region, CAV, ThinkQuantum)
 - CONVECS: aims to create a supercomputing infrastructure in the Veneto Region which will be divided into a main hub in Padua and secondary nodes (spokes) in Verona, Venice and Legnaro, interconnected by fast links (UNIPD)
 - Water quality analysis via LoRaWAN network (DiBio)
 - Analysis of the functioning of AGCOM Piracy Shield project (Dip. Matematica)



Fattori di sviluppo:

- Incremento potenza elettrica e spazi
- Potenziamento tratta Vienna-Padova
- Partnership per il remote peering
- Peering con operatori nazionali

